THE JOURNAL OF EXPERIMENTAL MEDICINE

Published Monthly by The Rockefeller University Press

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VOLUME 173
1991

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1039 ***David B. Agus, Charles D. Surh, and Jonathan Sprent.*** Reentry of T cells to the adult thymus is restricted to activated T cells

1047 ***Thomas Blankenstein, Zhihai Qin, Klaus Überla, Werner Müller, Hugh Rosen, Hans-Dieter Volk, and Tibor Diamantstein.*** Tumor suppression after tumor cell–targeted tumor necrosis factor α gene transfer

1053 ***Raymond M. Welsh, Jeffery O. Brubaker, Mauricio Vargas-Cortes, and Carey L. O'Donnell.*** Natural killer (NK) cell response to virus infections in mice with severe combined immunodeficiency. The stimulation of NK cells and the NK cell–dependent control of virus infections occur independently of T and B cell function

1065 ***Takeyuki Shimizu, Takuji Iwasato, and Hideo Yamagishi.*** Deletions of immunoglobulin C_κ region characterized by the circular excision products in mouse splenocytes

1073 ***Santiago Rodriguez de Cordoba, Pilar Sanchez-Corral, and Javier Rey-Campos.*** Structure of the gene coding for the α polypeptide chain of the human complement component C4b-binding protein

1083 ***David A. Tuveson, Joseph M. Ahearn, Alan K. Matsumoto, and Douglas T. Fearon.*** Molecular interactions of complement receptors on B lymphocytes: a CR1/CR2 complex distinct from the CR2/CD19 complex

1091 ***Naoko Nakano, Hitoshi Kikutani, Hirofumi Nishimoto, and Tadamitsu Kishimoto.*** T cell receptor V gene usage of islet β cell–reactive T cells is not restricted in non-obese diabetic mice

1099 ***Peter J. Peters, Jannie Borst, Viola Oorschot, Minoru Fukuda, Olivier Krähenbühl, Jürg Tschopp, Jan W. Slot, and Hans J. Geuze.*** Cytotoxic T lymphocyte granules are secretory lysosomes, containing both perforin and granzymes

1111 ***F. A. Chen, E. A. Repasky, and R. B. Bankert.*** Human lung tumor–associated antigen identified as an extracellular matrix adhesion molecule

1121 ***Roy A. Fava, Nancy J. Olsen, Arnold E. Postlethwaite, Kenneth N. Broadley, Jeffery M. Davidson, Lillian B. Nanney, Catherine Lucas, and Alexander S. Townes.*** Transforming growth factor β_1 (TGF-β1) induced neutrophil recruitment to synovial tissues: implications for TGF-β-driven synovial inflammation and hyperplasia

1133 ***Mariëtte Oosterwegel, Marc van de Wetering, Dennis Dooijes, Leo Klomp, Astar Winoto, Katia Georgopoulos, Frits Meijlink, and Hans Clevers.*** Cloning of murine TCF-1, a T cell–specific transcription factor interacting with functional motifs in the CD3-ϵ and T cell receptor α enhancers

1143 ***K. Saukkonen, C. Cabellos, M. Burroughs, S. Prasad, and E. Tuomanen.*** Integrin-mediated localization of *Bordetella pertussis* within macrophages: role in pulmonary colonization

1151 ***V. Boyer, C. Desgranges, M-A. Trabaud, E. Fischer, and M. D. Kazatchkine.*** Complement mediates human immunodeficiency virus type 1 infection of a human T cell line in a CD4- and antibody-independent fashion

1159 ***J. M. Moulds, M. W. Nickells, J. J. Moulds, M. C. Brown, and J. P. Atkinson.*** The C3b/C4b receptor is recognized by the Knops, McCoy, Swain-Langley, and York blood group antisera

1165 ***Joshy Jacob, Ramtin Kassir, and Garnett Kelsoe.*** In situ studies of the primary immune response to (4-hydroxy-3-nitrophenyl)acetyl. I. The architecture and dynamics of responding cell populations

1177 ***R. Neta, J. J. Oppenheim, R. D. Schreiber, R. Chizzonite, G. D. Ledney, and T. J. MacVittie.*** Role of cytokines (interleukin 1, tumor necrosis factor, and transforming growth factor β) in natural and lipopolysaccharide-enhanced radioresistance

1183 ***Ann M. Pullen, Jerome Bill, Ralph T. Kubo, Philippa Marrack, and John W. Kappler.*** Analysis of the interaction site for the self superantigen Mls-1^a on T cell receptor Vβ

1193 ***Ion Gresser, Claude Carnaud, Chantal Maury, Arturo Sala, Pierre Eid, David Woodrow, Marie-Thérèse Maunoury, and Filippo Belardelli.*** Host humoral and cellular immune mechanisms in the continued suppression of Friend erythroleukemia metastases after interferon α/β treatment in mice

1205 ***Peter de Vries, Kenneth A. Brasel, June R. Eisenman, Alan R. Alpert, and Douglas E. Williams.*** The effect of recombinant mast cell growth factor on purified murine hematopoietic stem cells

1213 ***Richard R. Hardy, Condie E. Carmack, Susan A. Shinton, John D. Kemp, and Kyoko Hayakawa.*** Resolution and characterization of pro-B and pre–pro-B cell stages in normal mouse bone marrow

1227 ***Alison Skeel, Teizo Yoshimura, Stephen D. Showalter, Shuji Tanaka, Ettore Appella, and Edward J. Leonard.*** Macrophage stimulating protein: purification, partial amino acid sequence, and cellular activity

1235 ***Jonathon D. Sedgwick, Rainald Mößner, Stefan Schwender, and Volker ter Meulen.*** Major histocompatibility complex–expressing nonhematopoietic astroglial cells prime only CD8$^+$ T lymphocytes: astroglial cells as perpetuators but not initiators of CD4$^+$ T cell responses in the central nervous system

1247 ***Lee Tan, Julia Turner, and Arthur Weiss.*** Regions of the T cell receptor α and β chains that are responsible for interactions with CD3

1257 ***Kwang Ho Lee, Tatsuo Kinashi, Kaoru Tohyama, Kei Tashiro, Naoko Funato, Kazuaki Hama, and Tasuku Honjo.*** Different stromal cell lines support lineage-selective differentiation of the multipotential bone marrow stem cell clone LyD9

1267 ***Tatsuo Kinashi, Kwang Ho Lee, Masako Ogawa, Kaoru Tohyama, Kei Tashiro, Rikiro Fukunaga, Shigekazu Nagata, and Tasuku Honjo.*** Premature expression of the macrophage colony-stimulating factor receptor on a multipotential stem cell line does not alter differentiation lineages controlled by stromal cells used for coculture

1281 ***Samuel D. Wright, Robert A. Ramos, Anne Hermanowski-Vosatka, Pamela Rockwell, and Patricia A. Detmers.*** Activation of the adhesive capacity of CR3 on neutrophils by endotoxin: dependence on lipopolysaccharide binding protein and CD14

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1287 ***Toshio Doi, Liliane J. Striker, Koji Kimata, Emanuel P. Peten, Yoshihiko Yamada, and Gary E. Striker.*** Glomerulosclerosis in mice transgenic for growth hormone. Increased mesangial extracellular matrix is correlated with kidney mRNA levels

1291 ***Hiroaki Kodama, Makoto Nose, Shumpei Niida, and Akira Yamasaki.*** Essential role of macrophage colony-stimulating factor in the osteoclast differentiation supported by stromal cells

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1297 ***Gerrit Koopman, Henk K. Parmentier, Henk-Jan Schuurman, Walter Newman, Chris J. L. M. Meijer, and Steven T. Pals.*** Adhesion of human B cells to follicular dendritic cells involves both the lymphocyte function–associated antigen 1/intercellular adhesion molecule 1 and very late antigen 4/vascular adhesion molecule 1 pathways

1305 ***Massimo Gadina, Riccardo Bertini, Manuela Mengozzi, Mario Zandalasini, Alberto Mantovani, and Pietro Ghezzi.*** Protective effect of chlorpromazine on endotoxin toxicity and TNF production in glucocorticoid-sensitive and glucocorticoid-resistant models of endotoxic shock

1311 ***Gennaro De Libero, Giulia Casorati, Claudia Giachino, Caterina Carbonara, Nicola Migone, Polly Matzinger, and Antonio Lanzavecchia.*** Selection by two powerful antigens may account for the presence of the major population of human peripheral γ/δ T cells

1323 ***José L. Andreu-Sánchez, Ignacio Moreno de Alborán, Miguel A. R. Marcos, Arsenio Sánchez-Movilla, Carlos Martínez-A, and Guido Kroemer.*** Interleukin 2 abrogates the nonresponsive state of T cells expressing a forbidden T cell receptor repertoire and induces autoimmune disease in neonatally thymectomized mice

1331 ***Dieter Kabelitz, Anke Bender, Terry Prospero, Sebastian Wesselborg, Ottmar Janssen, and Klaus Pechhold.*** The primary response of human γ/δ^+ T cells to *Mycobacterium tuberculosis* is restricted to Vγ9-bearing cells

1339 ***Paola Del Porto, Fathia Mami-Chouaib, Jean-Michel Bruneau, Setsuko Jitsukawa, Jacques Dumas, Marzia Harnois, and Thierry Hercend.*** TCT.1, a target molecule for γ/δ T cells, is encoded by an immunoglobulin superfamily gene (Blast-1) located in the CD1 region of human chromosome 1

1345 ***Michael A. Schon-Hegrad, Jane Oliver, Paul G. McMenamin, and Patrick G. Holt.*** Studies on the density, distribution, and surface phenotype of intraepithelial class II major histocompatibility complex antigen (Ia)-bearing dendritic cells (DC) in the conducting airways

1357 ***Hua Gu, David Tarlinton, Werner Müller, Klaus Rajewsky, and Irmgard Förster.*** Most peripheral B cells in mice are ligand selected

1373 ***Benoît Van den Eynde, Bernard Lethé, Aline Van Pel, Etienne De Plaen, and Thierry Boon.*** The gene coding for a major tumor rejection antigen of tumor P815 is identical to the normal gene of syngeneic DBA/2 mice

1385 ***Akira Shimizu, Michel C. Nussenzweig, Hua Han, Mercedes Sanchez, and Tasuku Honjo.*** *Trans*-splicing as a possible molecular mechanism for the multiple isotype expression of the immunoglobulin gene

1395 ***Jan F. L. Weel, Carla T. P. Hopman, and Jos P. M. van Putten.*** In situ expression and localization of *Neisseria gonorrhoeae* opacity proteins in infected epithelial cells: apparent role of Opa proteins in cellular invasion

1407 ***Luis E. C. Andrade, Edward K. L. Chan, Ivan Raska, Carol L. Pebbles, Goran Roos, and Eng M. Tan.*** Human autoantibody to a novel protein of the nuclear coiled body: immunological characterization and cDNA cloning of p80-coilin

1421 ***Kristin M. Abraham, Steven D. Levin, Jamey D. Marth, Katherine A. Forbush, and Roger M. Perlmutter.*** Delayed thymocyte development induced by augmented expression of $p56^{lck}$

1433 ***Rong-Hwa Lin, Mark J. Mamula, John A. Hardin, and Charles A. Janeway, Jr.*** Induction of autoreactive B cells allows priming of autoreactive T cells

1441 ***Eric S. Sobel, Takuya Katagiri, Koko Katagiri, Suzanne C. Morris, Philip L. Cohen, and Robert A. Eisenberg.*** An intrinsic B cell defect is required for the production of autoantibodies in the *lpr* model of murine systemic autoimmunity

1451 ***Noboru Suzuki, Tomoko Suzuki, and Edgar G. Engleman.*** Evidence for the involvement of CD56 molecules in alloantigen-specific recognition by human natural killer cells

1463 ***Amy S. Rosenberg, Terry I. Munitz, Tonnie G. Maniero, and Alfred Singer.*** Cellular basis of skin allograft rejection across a class I major histocompatibility barrier in mice depleted of $CD8^+$ T cells in vivo

1473 ***Peter Boros, Joseph A. Odin, Tai Muryoi, Sandra K. Masur, Constantin Bona, and Jay C. Unkeless.*** IgM anti-$Fc_\gamma R$ autoantibodies trigger neutrophil degranulation

1483 ***Stephen M. Canfield and Sherie L. Morrison.*** The binding affinity of human IgG for its high affinity Fc receptor is determined by multiple amino acids in the C_H2 domain and is modulated by the hinge region

1493 ***Siu K. Lo, Suining Lee, Robert A. Ramos, Roy Lobb, Margaret Rosa, Gloria Chi-Rosso, and Samuel D. Wright.*** Endothelial-leukocyte adhesion molecule 1 stimulates the adhesive activity of leukocyte integrin CR3 (CD11b/CD18, Mac-1, $\alpha_m\beta_2$) on human neutrophils

1501 ***Friedrich Piller, Françoise Le Deist, Kenneth I. Weinberg, Robertson Parkman, and Minoru Fukuda.*** Altered O-glycan synthesis in lymphocytes from patients with Wiskott-Aldrich syndrome

1511 ***Joyce K. Czop and Jonathan Kay.*** Isolation and characterization of β-glucan receptors on human mononuclear phagocytes

1521 ***Thomas H. Rand, William W. Cruikshank, David M. Center, and Peter F. Weller.*** CD4-mediated stimulation of human eosinophils: lymphocyte chemoattractant factor and other CD4-binding ligands elicit eosinophil migration

1529 ***Jeffrey E. Berman, Caroline G. Humphries, Jeremy Barth, Frederick W. Alt, and Philip W. Tucker.*** Structure and expression of human germline V_H transcripts

1537 ***Marina Giunta, Anna Favre, Dunia Ramarli, Carlo E. Grossi, and Giorgio Corte.*** A novel integrin involved in thymocyte–thymic epithelial cell interactions

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1549 ***Delphine Guy-Grand, Michèle Malassis-Seris, Chantal Briottet, and Pierre Vassalli.*** Cytotoxic differentiation of mouse gut thymodependent and independent intraepithelial T lymphocytes is induced locally. Correlation between functional assays, presence of perforin and granzyme transcripts, and cytoplasmic granules

1553 ***Bruce S. Bochner, Francis W. Luscinskas, Michael A. Gimbrone, Jr., Walter Newman, Sherry A. Sterbinsky, Claudia P. Derse-Anthony, David Klunk, and Robert P. Schleimer.*** Adhesion of human basophils, eosinophils, and neutrophils to interleukin 1–activated human vascular endothelial cells: contributions of endothelial cell adhesion molecules

1557 ***Correction***

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